

FIG. 3

4/17

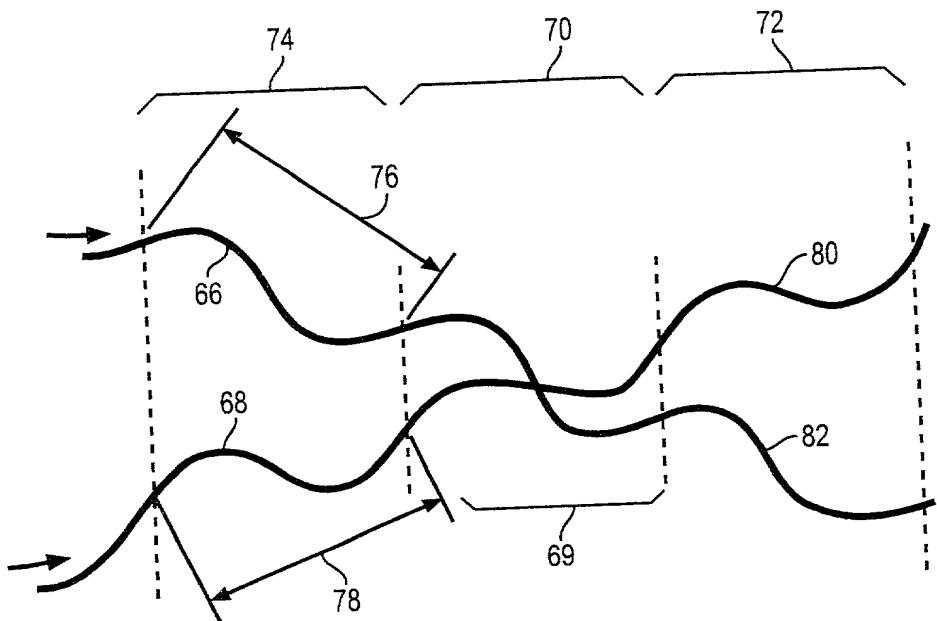


FIG. 4

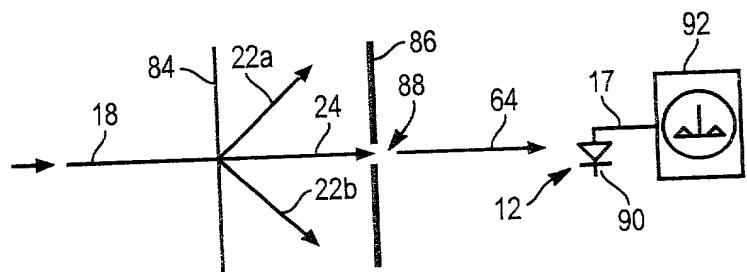
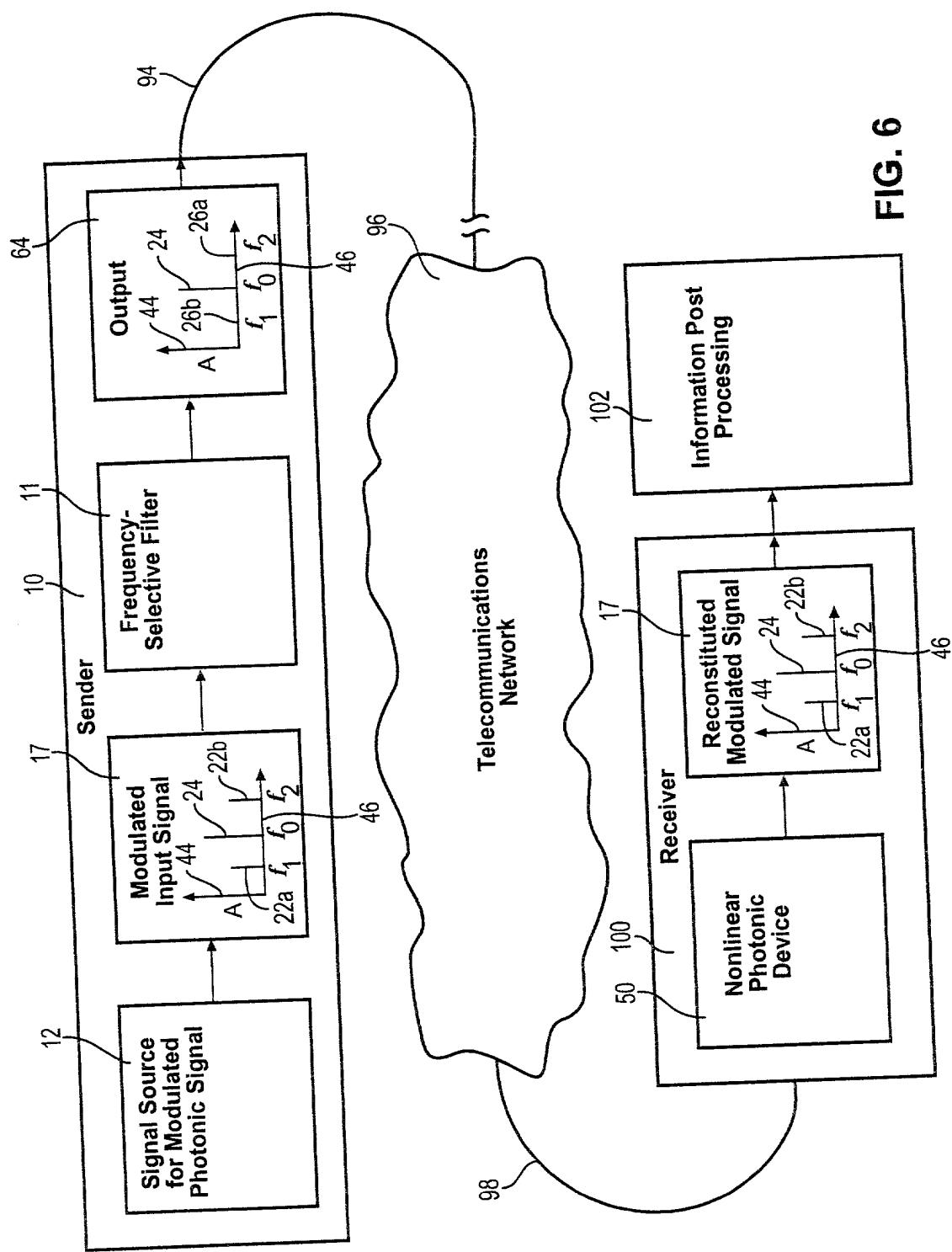
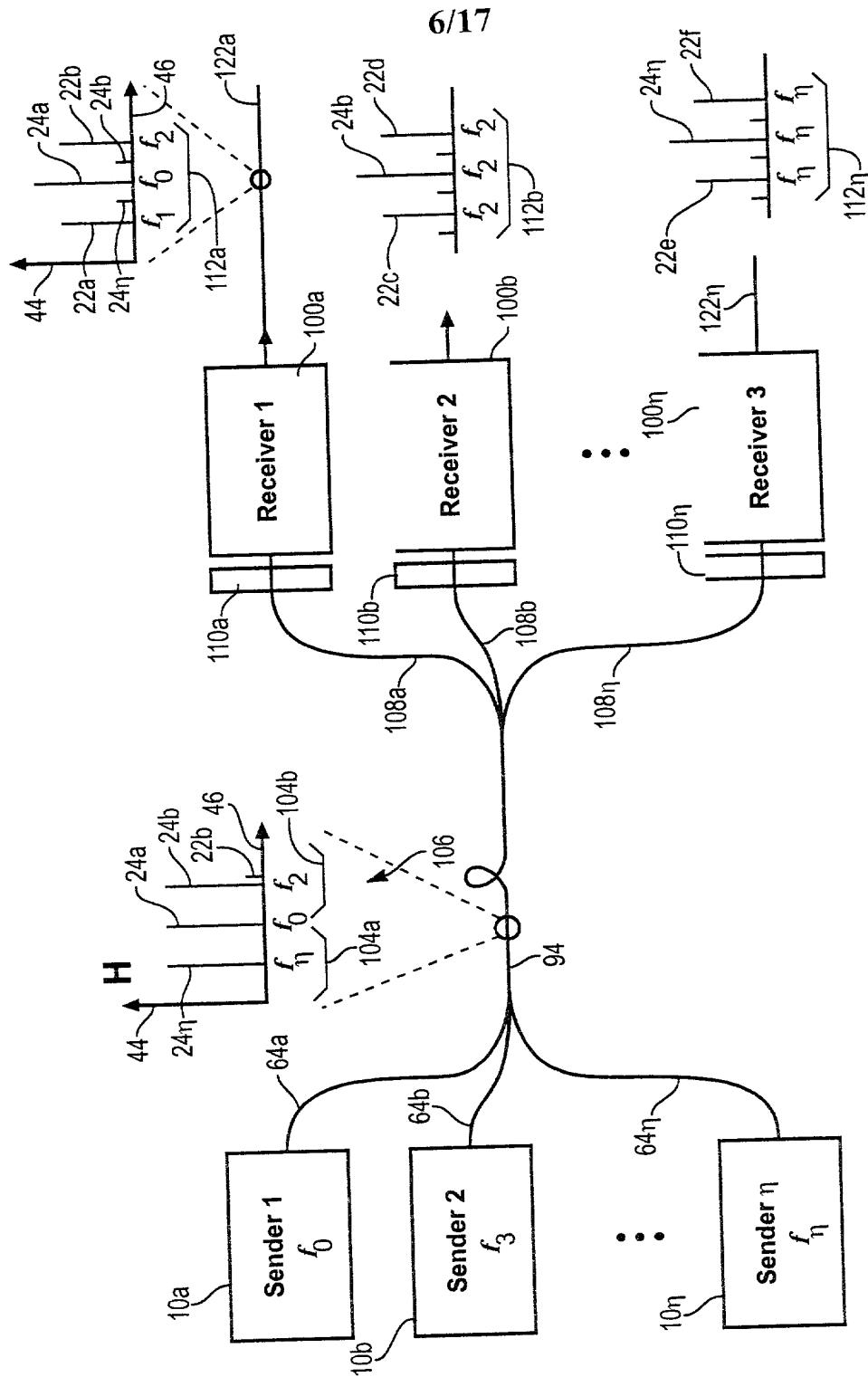


FIG. 5





Hyper Dense Wave Division Multiplexing

FIG. 7

165

105

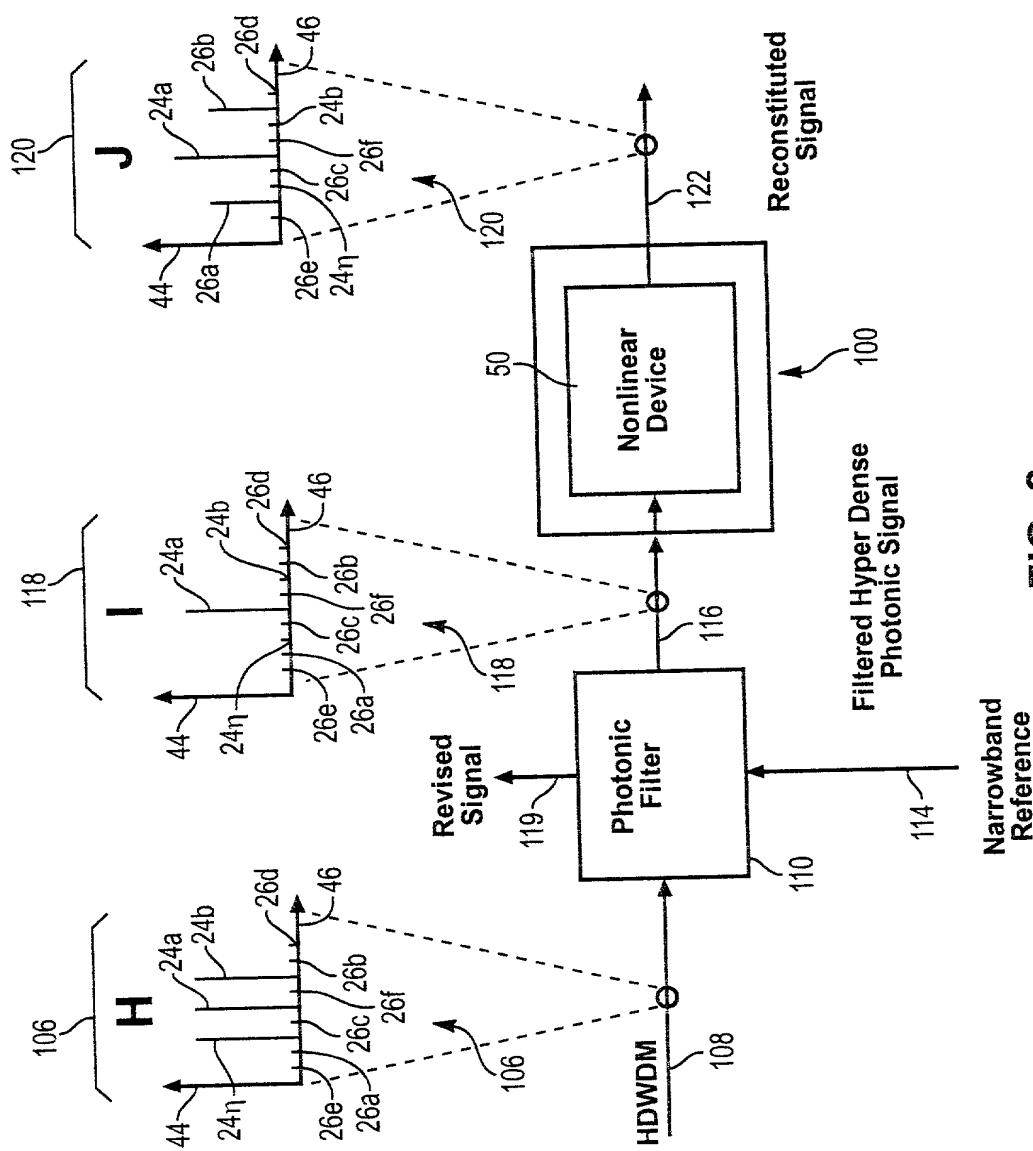


FIG. 8

Narrowband Reference

**Hyper Dense Wave Division Demultiplexor (HDWDDM)
Using Drop-Filter Band Selection**

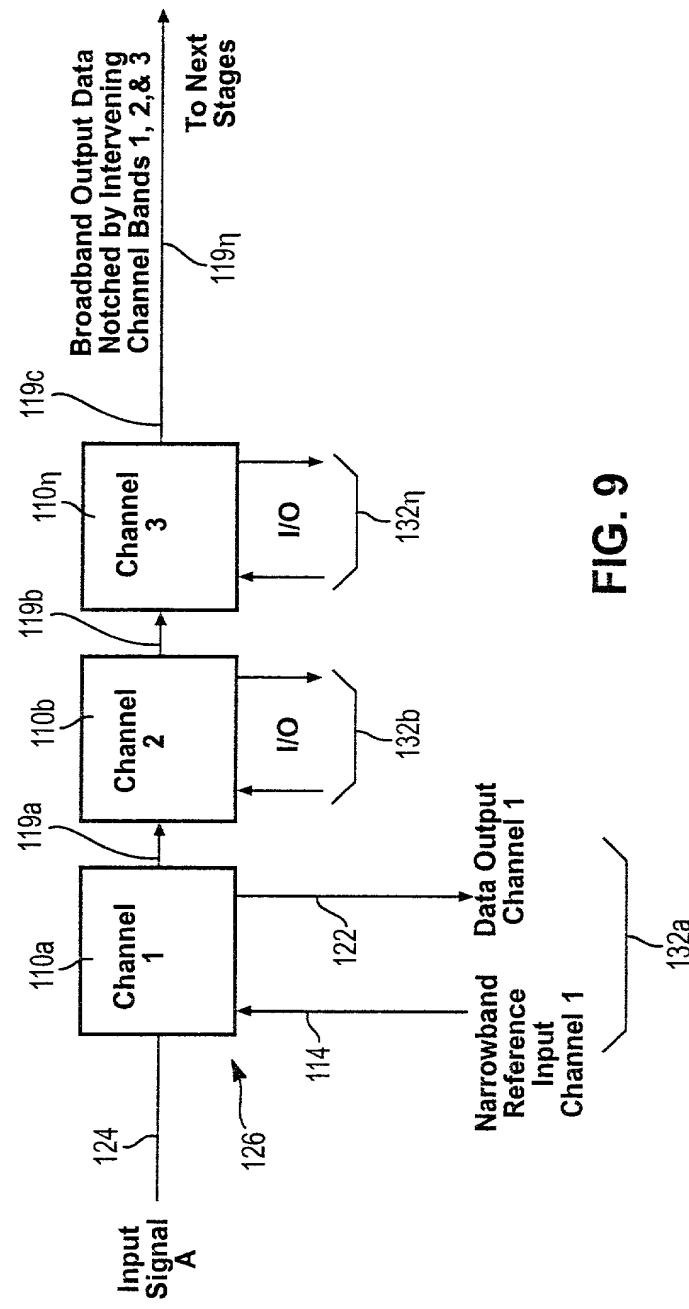


FIG. 9

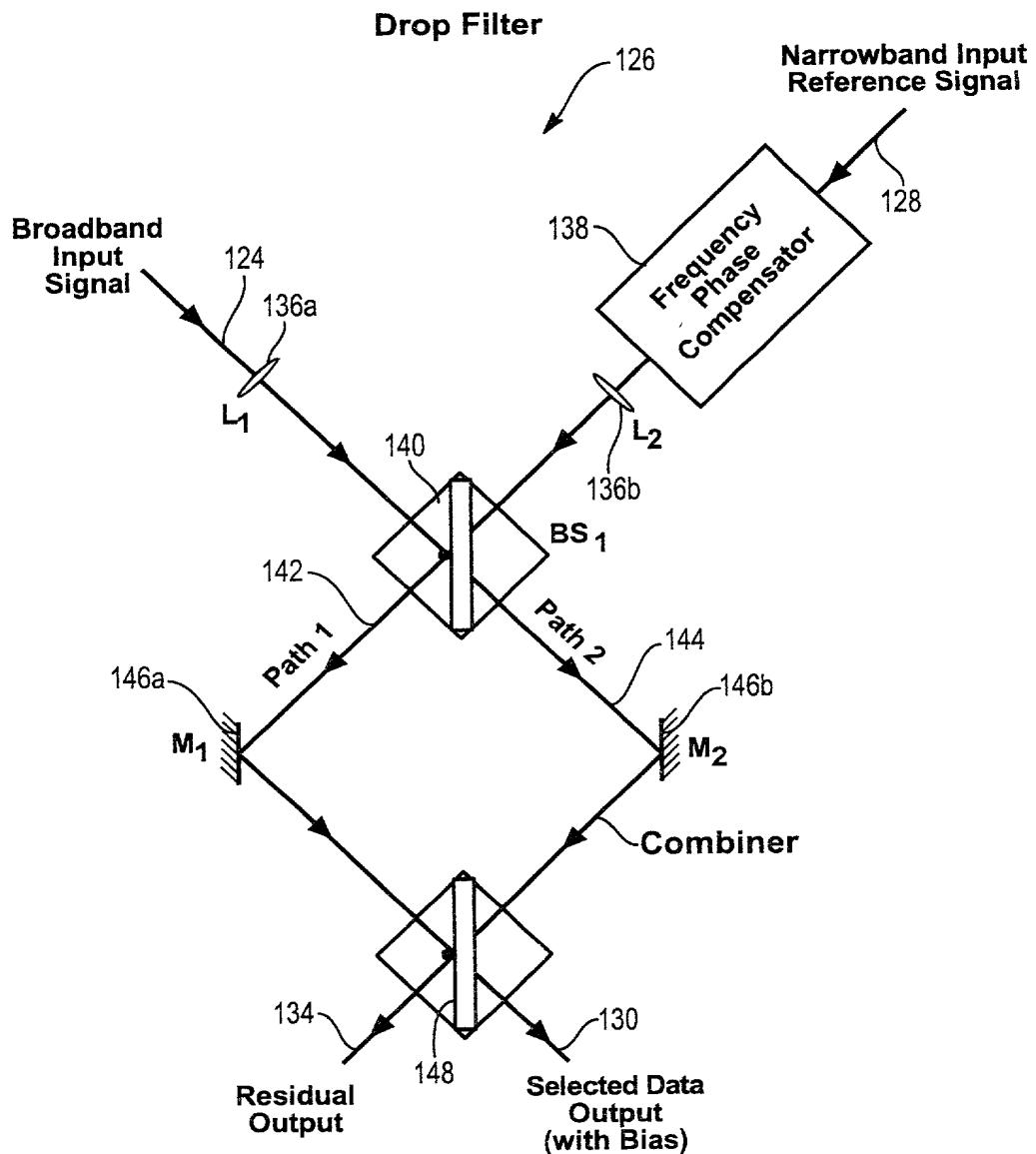


FIG. 10

**Super Hyper Wave Division Demultiplexor (HDWDDM)
Using Drop Filter Band Selection**

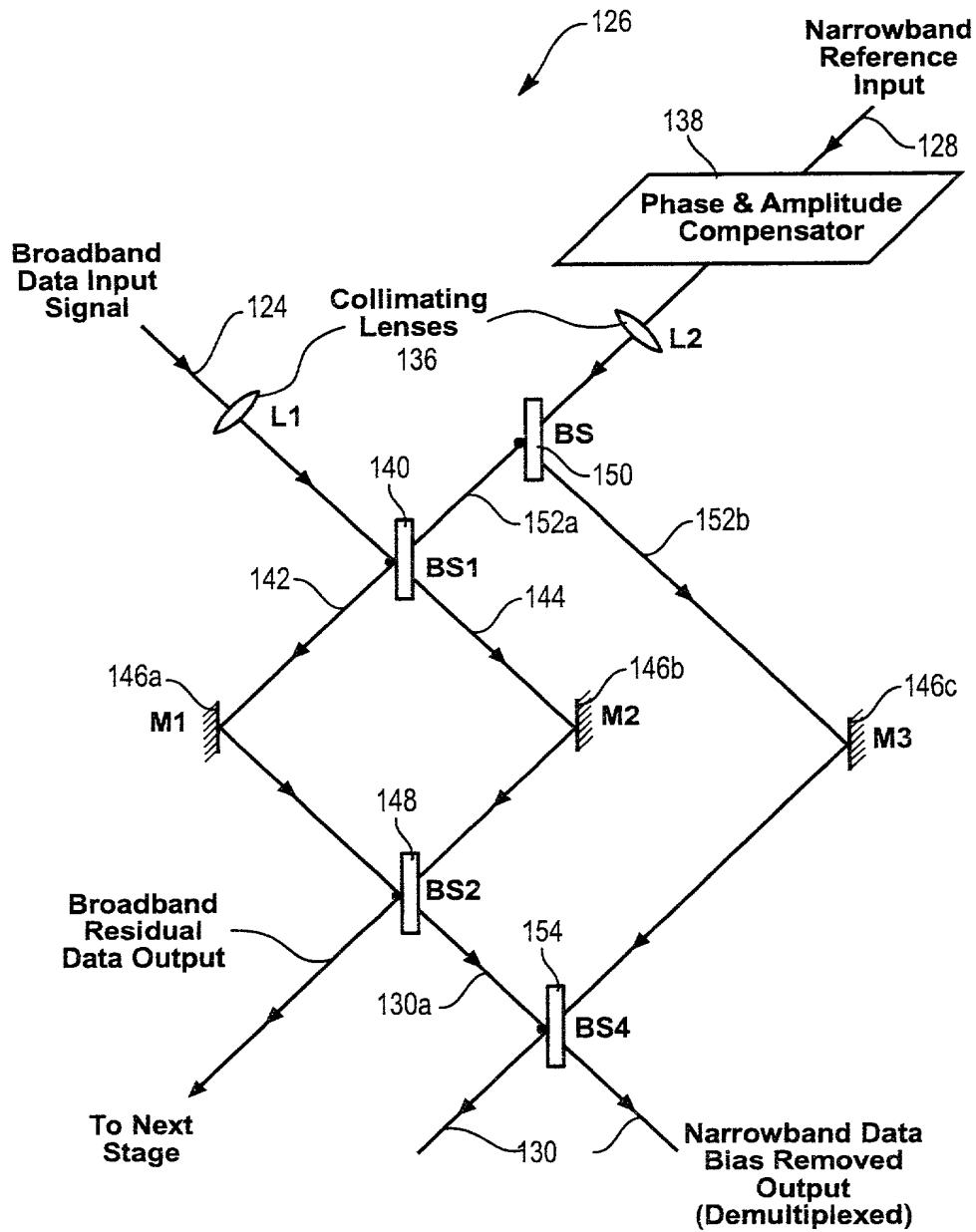


FIG. 11

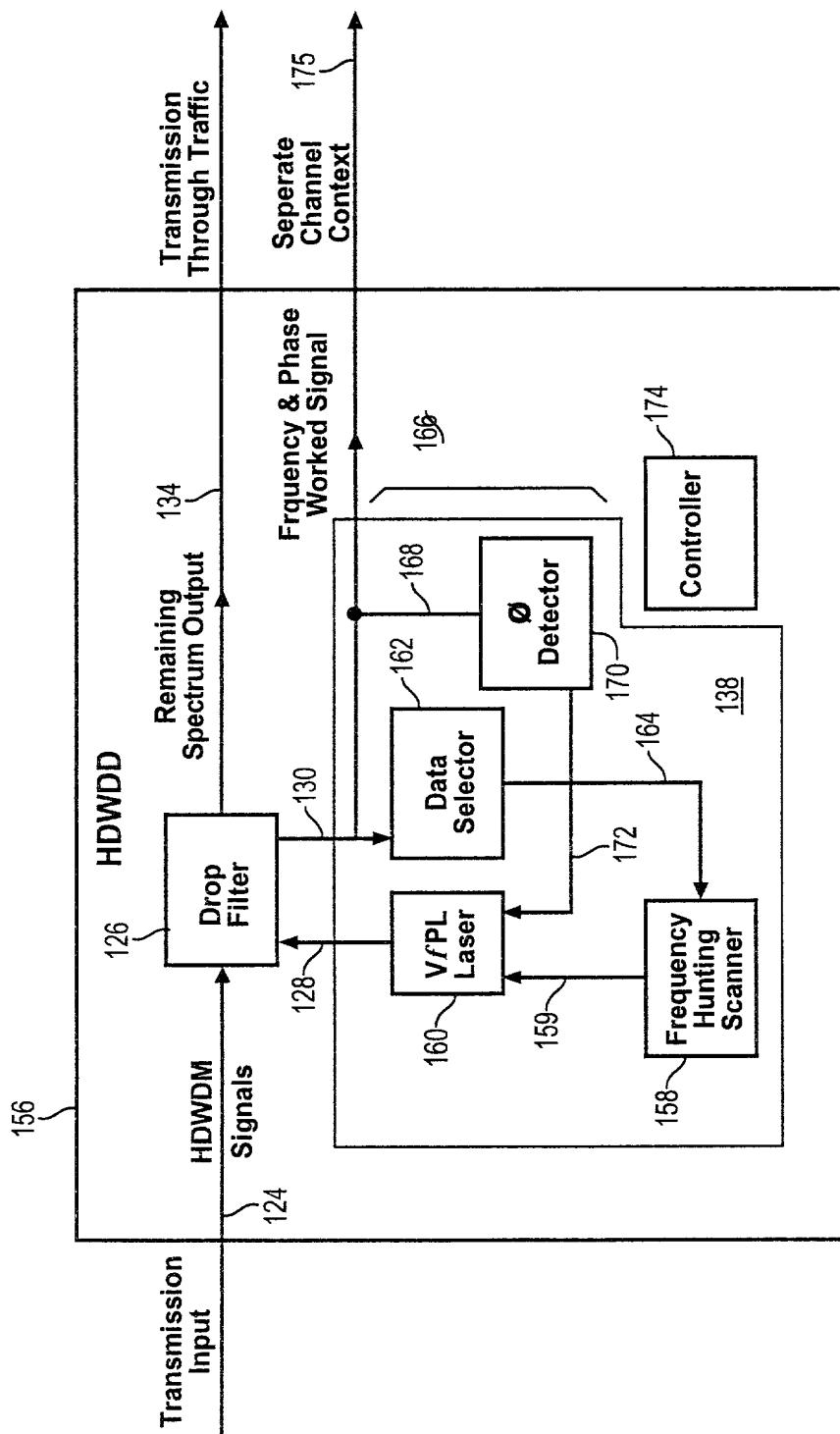


FIG. 12

Hyper Dense Channel Separator

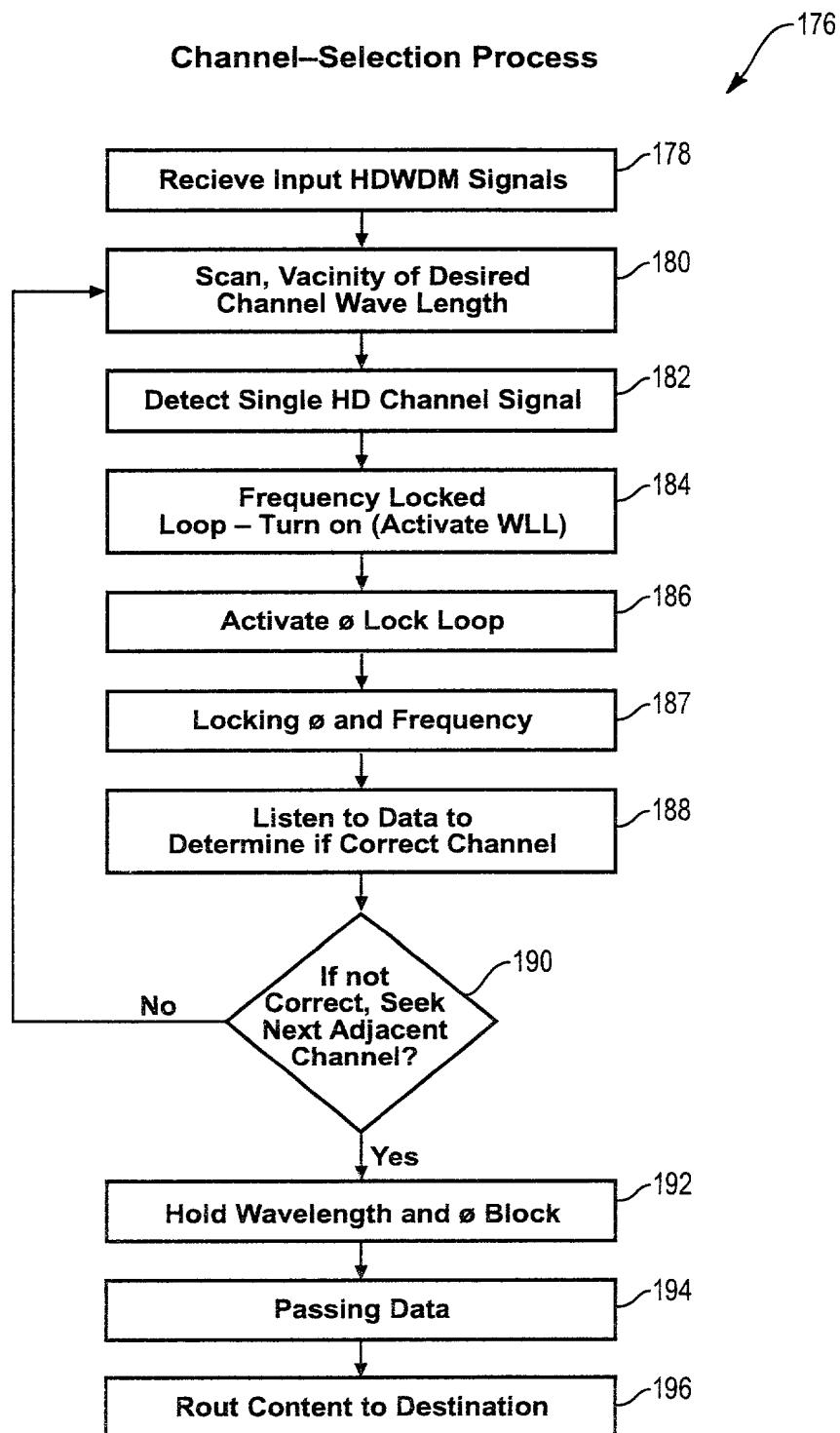
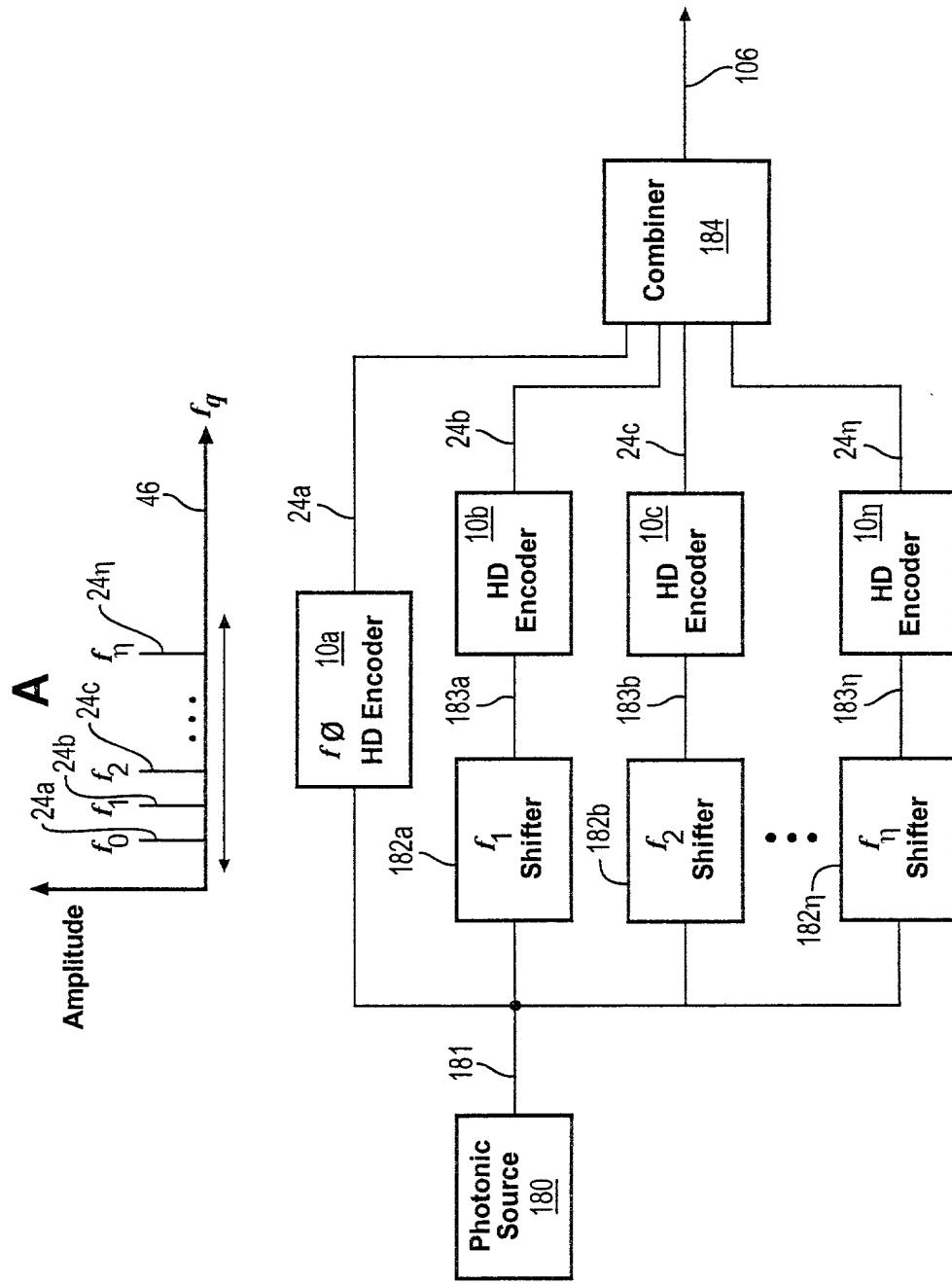
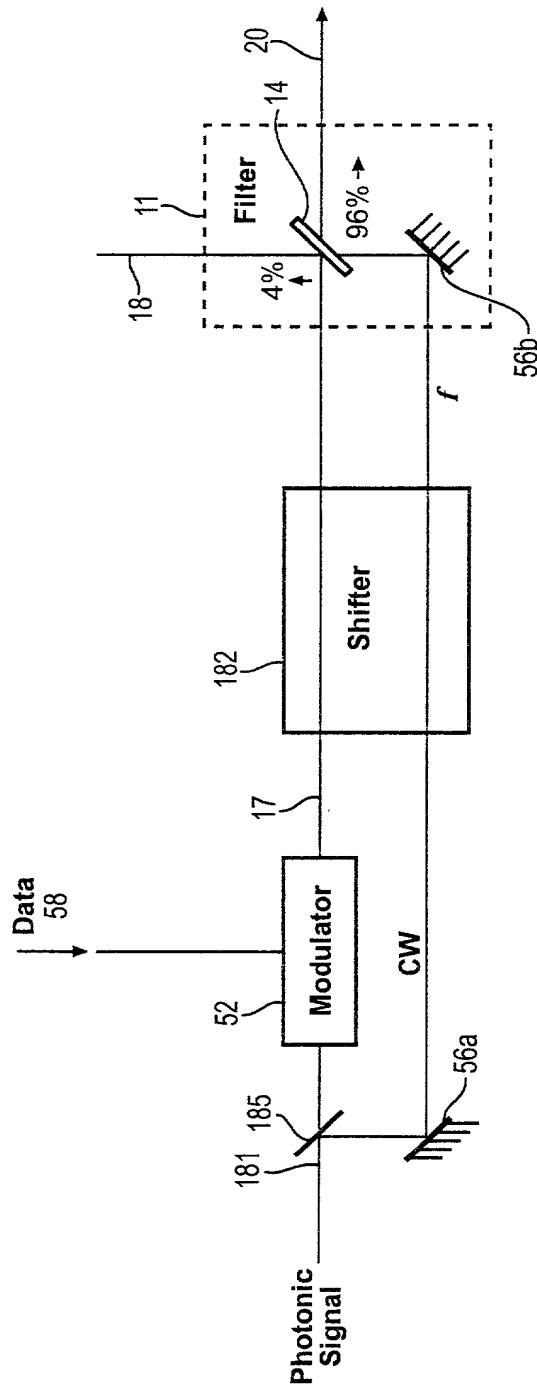


FIG. 13



HDWDM Multiplexer
FIG. 14



Hyper Dense Frequency Shifted Signals

FIG. 15

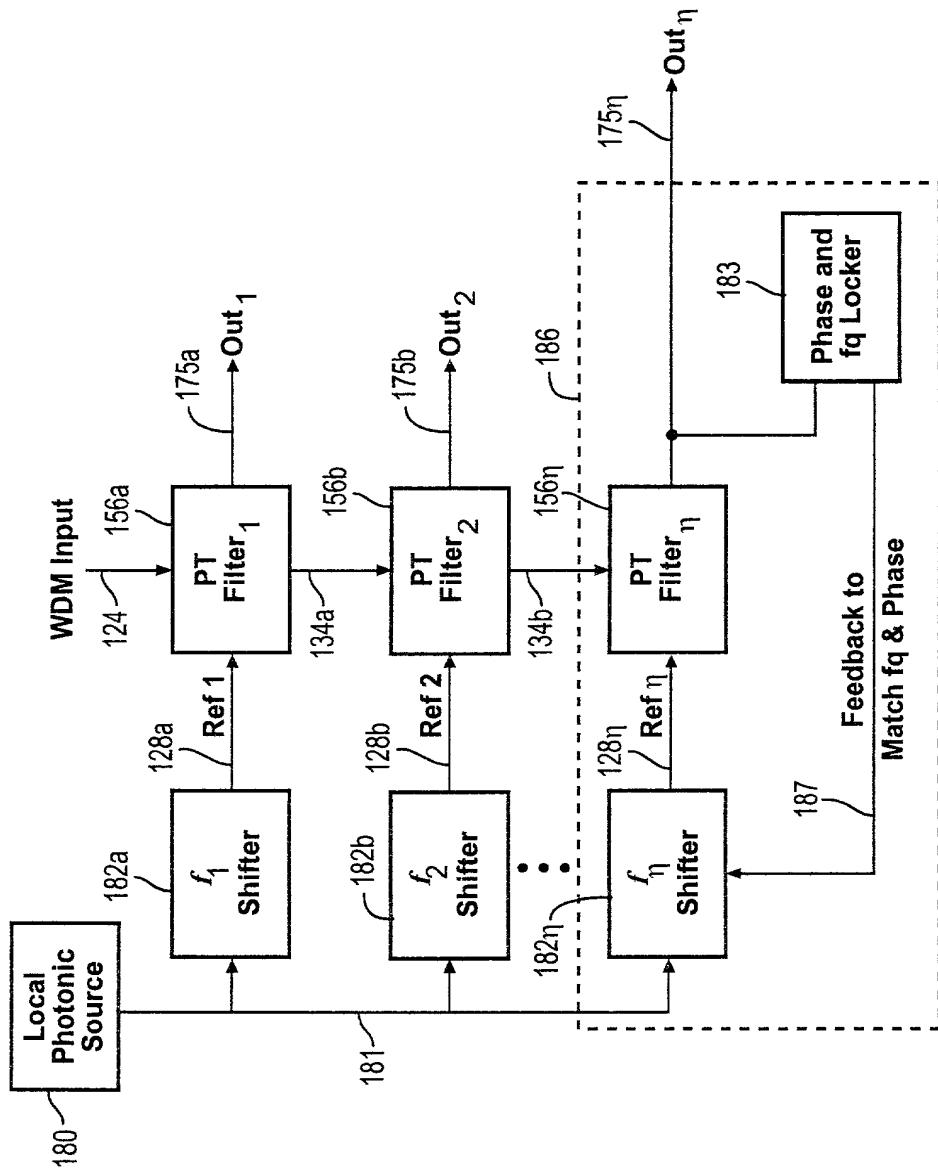
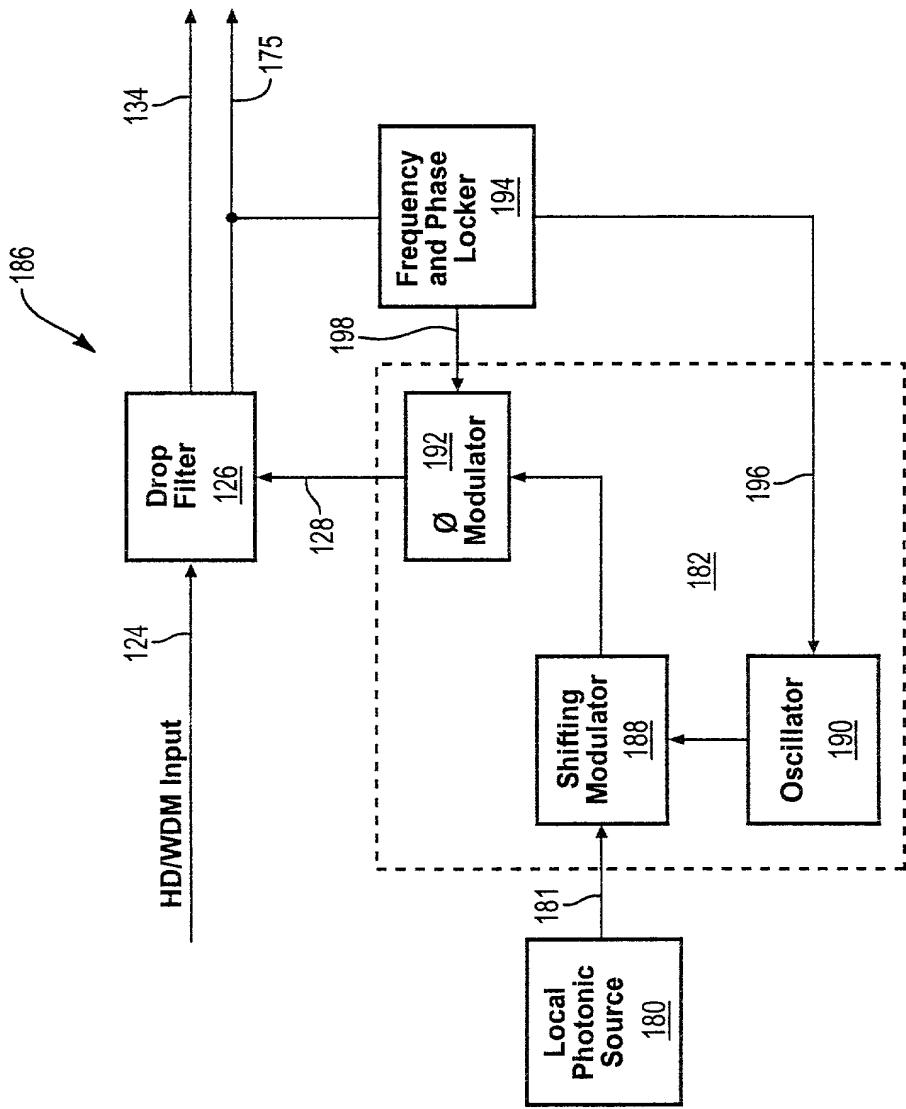


FIG. 16

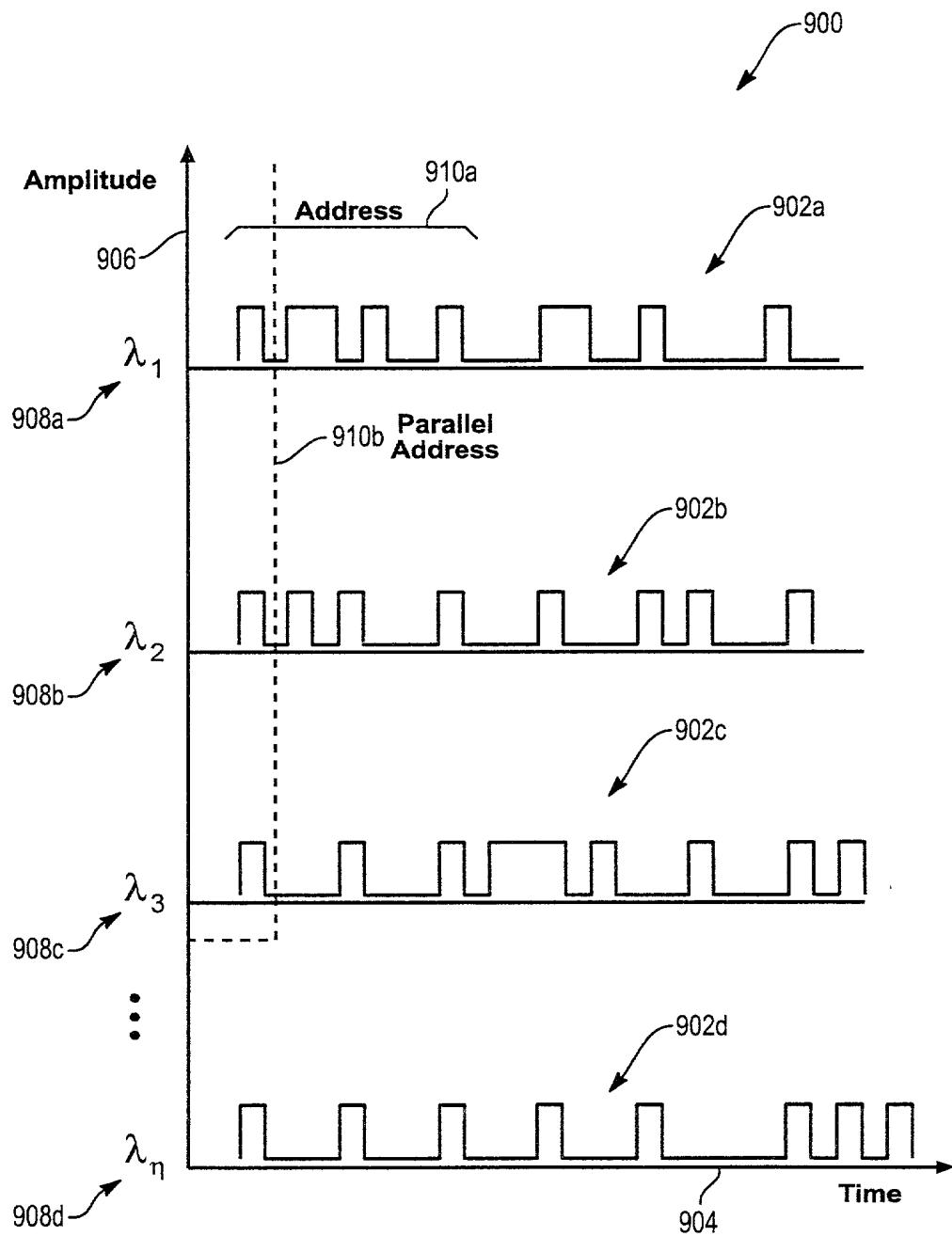
WDM Demux With Subscriber Tracking



Channel Separation Assembly

FIG. 17

17/17



Multi-Wavelengths Packet

FIG. 18